

**Supplemental Table 1 Biological processes for up-regulated genes  
in monocytes of diabetic patients**

<b>Biological process</b>	<b>Gene</b>	<b>ID</b>	<b>P</b>
Golgi-apparatus	protein for mgc:11139	BC004505	0.013181
	proprotein convertase subtilisin/kexin type 2; pcsk2	NM_002594	0.028784
	coagulation factor ii (thrombin) receptor-like 1 precursor; f2r11	NM_005242	0.011667
	sec14 (s. cerevisiae)-like 1; sec14l1	NM_005242	0.005358
Ribosomal Proteins	ribosomal protein s6 kinase, 90kd, polypeptide 1; rps6ka1	NM_002953	0.006438
	ribosomal protein l28; rpl28	NM_000991	0.026989
	ribosomal protein l18; rpl18	NM_000979	0.021068
Unfold protein binding	unknown (protein for image:3543711)	BC002971	0.025969
	heat shock protein, dnaj-like 2; hsj2	NM_001539	0.003319
	dnaj subfamily a member 2; dnaja2	NM_005880	0.000437
	heat shock 90kd protein 1, alpha; hspca	NM_005348	0.034362
	prefoldin 1; pfdn1	NM_002622	0.048158
	u-snrnp-associated cyclophilin; usa-cyp	AF016371	0.039567
	xrp2 protein; rp2	NM_006915	0.008376
	progesterone receptor-associated p48 protein; st13	NM_003932	0.014535
	tap binding protein (tapasin); tapbp	NM_003190	0.013955
Intracellular protein transport	golgi phosphoprotein 1; golpl1	NM_022735	0.006172
	adp-ribosylation factor related protein 1; arfrp1	NM_003224	0.006107
	karyopherin alpha 6 (importin alpha 7); kpna6	NM_012316	0.021441
	ras-related gtp-binding protein; rab10	NM_016131	0.002838
	gtpase rab14; rab14	NM_016322	0.008821
	sec23-interacting protein p125; p125	NM_007190	0.020436
Enzyme linked receptor protein signaling pathway	prostate differentiation factor; plab	NM_004864	0.049559
	v-erb-a erythroblastic leukemia viral oncogene homolog 4	NM_005235	0.033748
	neurotrophic tyrosine kinase, receptor, type 3; ntrk3	NM_002530	0.043922
	guanine nucleotide-releasing factor 2; grf2	NM_005312	0.049607
	cgi-94 protein	AF151852	0.001116
	protein tyrosine phosphatase delta	L38929	0.007053
Nuclear receptors	nuclear receptor subfamily 2, group e, member 1; nr2e1	NM_003269	0.043698
	peroxisome proliferative activated receptor, delta; ppard	NM_006238	0.045363
	nuclear receptor subfamily 2, group c, member 2; nr2c2	NM_003298	0.004257
	adrenal hypoplasia protein; nr0b1	NM_000475	0.029683
	nuclear receptor subfamily 5, group a, member 1; nr5a1	NM_004959	0.002512
	Gametogenesis	heat shock transcription factor 2 binding protein; hsf2bp	NM_007031
testicular haploid expressed gene; theg		NM_016585	0.020619
casein kinase 2, alpha prine polypeptide; csnk2a2		NM_001896	0.015894